

|              |     |              |     |            |     |            |     |              |  |              |
|--------------|-----|--------------|-----|------------|-----|------------|-----|--------------|--|--------------|
| BBBBBBBBBBBB |     | AAAAAAA      |     | SSSSSSSSSS |     | RRRRRRRRRR |     | TTTTTTTTTTTT |  | LLL          |
| BBBBBBBBBBBB |     | AAAAAAA      |     | SSSSSSSSSS |     | RRRRRRRRRR |     | TTTTTTTTTTTT |  | LLL          |
| BBBBBBBBBBBB |     | AAAAAAA      |     | SSSSSSSSSS |     | RRRRRRRRRR |     | TTTTTTTTTTTT |  | LLL          |
| BBB          | BBB | AAA          | AAA | SSS        |     | RRR        | RRR | TTT          |  | LLL          |
| BBB          | BBB | AAA          | AAA | SSS        |     | RRR        | RRR | TTT          |  | LLL          |
| BBB          | BBB | AAA          | AAA | SSS        |     | RRR        | RRR | TTT          |  | LLL          |
| BBB          | BBB | AAA          | AAA | SSS        |     | RRR        | RRR | TTT          |  | LLL          |
| BBB          | BBB | AAA          | AAA | SSS        |     | RRR        | RRR | TTT          |  | LLL          |
| BBB          | BBB | AAA          | AAA | SSS        |     | RRR        | RRR | TTT          |  | LLL          |
| BBBBBBBBBBBB |     | AAA          | AAA | SSSSSSSS   |     | RRRRRRRRRR |     | TTT          |  | LLL          |
| BBBBBBBBBBBB |     | AAA          | AAA | SSSSSSSS   |     | RRRRRRRRRR |     | TTT          |  | LLL          |
| BBBBBBBBBBBB |     | AAA          | AAA | SSSSSSSS   |     | RRRRRRRRRR |     | TTT          |  | LLL          |
| BBB          | BBB | AAAAAAAAAAAA |     |            | SSS | RRR        | RRR | TTT          |  | LLL          |
| BBB          | BBB | AAAAAAAAAAAA |     |            | SSS | RRR        | RRR | TTT          |  | LLL          |
| BBB          | BBB | AAAAAAAAAAAA |     |            | SSS | RRR        | RRR | TTT          |  | LLL          |
| BBB          | BBB | AAA          | AAA |            | SSS | RRR        | RRR | TTT          |  | LLL          |
| BBB          | BBB | AAA          | AAA |            | SSS | RRR        | RRR | TTT          |  | LLL          |
| BBB          | BBB | AAA          | AAA |            | SSS | RRR        | RRR | TTT          |  | LLL          |
| BBB          | BBB | AAA          | AAA |            | SSS | RRR        | RRR | TTT          |  | LLL          |
| BBB          | BBB | AAA          | AAA |            | SSS | RRR        | RRR | TTT          |  | LLL          |
| BBBBBBBBBBBB |     | AAA          | AAA | SSSSSSSSSS |     | RRR        | RRR | TTT          |  | LLLLLLLLLLLL |
| BBBBBBBBBBBB |     | AAA          | AAA | SSSSSSSSSS |     | RRR        | RRR | TTT          |  | LLLLLLLLLLLL |
| BBBBBBBBBBBB |     | AAA          | AAA | SSSSSSSSSS |     | RRR        | RRR | TTT          |  | LLLLLLLLLLLL |



|          |        |            |          |            |          |          |        |            |            |    |            |    |          |    |
|----------|--------|------------|----------|------------|----------|----------|--------|------------|------------|----|------------|----|----------|----|
| BBBBBBBB | AAAAAA | SSSSSSSS   | UU       | UU         | PPPPPPPP | DDDDDDDD | AAAAAA | TTTTTTTTTT | EEEEEEEEEE |    |            |    |          |    |
| BBBBBBBB | AAAAAA | SSSSSSSS   | UU       | UU         | PPPPPPPP | DDDDDDDD | AAAAAA | TTTTTTTTTT | EEEEEEEEEE |    |            |    |          |    |
| BB       | BB     | AA         | AA       | SS         | UU       | UU       | PP     | PP         | DD         | DD | AA         | AA | TT       | EE |
| BB       | BB     | AA         | AA       | SS         | UU       | UU       | PP     | PP         | DD         | DD | AA         | AA | TT       | EE |
| BB       | BB     | AA         | AA       | SS         | UU       | UU       | PP     | PP         | DD         | DD | AA         | AA | TT       | EE |
| BB       | BB     | AA         | AA       | SS         | UU       | UU       | PP     | PP         | DD         | DD | AA         | AA | TT       | EE |
| BBBBBBBB | AA     | AA         | SSSSSS   | UU         | UU       | PPPPPPPP | DD     | DD         | AA         | AA | TT         | EE | EEEEEEEE |    |
| BBBBBBBB | AA     | AA         | SSSSSS   | UU         | UU       | PPPPPPPP | DD     | DD         | AA         | AA | TT         | EE | EEEEEEEE |    |
| BB       | BB     | AAAAAAAAAA | SS       | UU         | UU       | PP       | DD     | DD         | AAAAAAAAAA | TT | EE         |    |          |    |
| BB       | BB     | AAAAAAAAAA | SS       | UU         | UU       | PP       | DD     | DD         | AAAAAAAAAA | TT | EE         |    |          |    |
| BB       | BB     | AA         | AA       | SS         | UU       | UU       | PP     | DD         | AA         | AA | TT         | EE |          |    |
| BB       | BB     | AA         | AA       | SS         | UU       | UU       | PP     | DD         | AA         | AA | TT         | EE |          |    |
| BB       | BB     | AA         | AA       | SS         | UU       | UU       | PP     | DD         | AA         | AA | TT         | EE |          |    |
| BBBBBBBB | AA     | AA         | SSSSSSSS | UUUUUUUUUU | PP       | DDDDDDDD | AA     | AA         | TT         | EE | EEEEEEEEEE |    |          |    |
| BBBBBBBB | AA     | AA         | SSSSSSSS | UUUUUUUUUU | PP       | DDDDDDDD | AA     | AA         | TT         | EE | EEEEEEEEEE |    |          |    |

```

LL          IIIIII          SSSSSSSS
LL          IIIIII          SSSSSSSS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SSSSSS
LL          II             SSSSSS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SSSSSS
LLLLLLLLLL IIIIII          SSSSSSSS
LLLLLLLLLL IIIIII          SSSSSSSS

```



```
1 0001 0 MODULE BASSUPDATE ( ! Basic UPDATE construct
2 0002 0 IDENT = '1-007' ! File: BASUPDATE.B32 Edit:MDL1007
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1
7 0007 1 *****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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25 0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY:
33 0033 1 Basic support library - user callable
34 0034 1
35 0035 1 ABSTRACT:
36 0036 1 This module is the UPI level of the Basic UPDATE construct. Initially,
37 0037 1 it contains only the code for sequential I/O. This module will set
38 0038 1 up the I/O data base for the LUN and go directly to the REC level.
39 0039 1
40 0040 1
41 0041 1 ENVIRONMENT:
42 0042 1 User access mode - AST reentrant.
43 0043 1
44 0044 1 AUTHOR: Donald G. Petersen, CREATION DATE: 27-Feb-79
45 0045 1
46 0046 1 MODIFIED BY:
47 0047 1
48 0048 1 DGP, 27-Feb-79 : VERSION 01
49 0049 1 1-001 - original. DGP 27-Feb-79
50 0050 1 1-002 - Add Update with count. DGP 28-Feb-79
51 0051 1 1-003 - Add Addressing switches. DGP 18-Jun-79
52 0052 1 1-004 - Check for virtual array use and read only. DGP 16-Oct-79
53 0053 1 1-005 - If no count is specified, use the current record size, not the
54 0054 1 buffer size. DGP 12-Feb-80
55 0055 1 1-006 - If channel is not already open signal. FM 12-FEB-81.
56 0056 1 1-007 - Set up ISB$A_USER_FP. MDL 8-Nov-1983
57 0057 1 --
```



```

59      0058 1  |
60      0059 1  | SWITCHES
61      0060 1  |
62      0061 1  |
63      0062 1  | SWITCHES ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
64      0063 1  |
65      0064 1  |
66      0065 1  | LINKAGES
67      0066 1  |
68      0067 1  |         REQUIRE 'RTLIN:OTSLNK';           ! Define all linkages
69      0496 1  |
70      0497 1  |
71      0498 1  | TABLE OF CONTENTS:
72      0499 1  |
73      0500 1  |
74      0501 1  | FORWARD ROUTINE
75      0502 1  |         BASS$UPDATE_COUN:NOVALUE,           ! UPI UPDATE with count
76      0503 1  |         BASS$UPDATE:NOVALUE;               ! UPI level Sequential UPDATE
77      0504 1  |
78      0505 1  |
79      0506 1  | INCLUDE FILES:
80      0507 1  |
81      0508 1  |         REQUIRE 'RTLML:OTSISB';           ! ISB definitions
82      0676 1  |         REQUIRE 'RTLML:OTSLUB';           ! LUB definitions
83      0816 1  |         REQUIRE 'RTLIN:RTLPSECT';         ! Define DECLARE_PSECTS macro
84      0911 1  |         LIBRARY 'RTLSTARLE';             ! Starlet system macros
85      0912 1  |
86      0913 1  |
87      0914 1  | MACROS:
88      0915 1  |
89      0916 1  |         NONE
90      0917 1  |
91      0918 1  |
92      0919 1  | EQUATED SYMBOLS:
93      0920 1  |         NONE
94      0921 1  |
95      0922 1  |
96      0923 1  | PSECT DECLARATIONS:
97      0924 1  |
98      0925 1  |         DECLARE_PSECTS(BAS);
99      0926 1  |
100     0927 1  | OWN STORAGE:
101     0928 1  |
102     0929 1  |         NONE
103     0930 1  |
104     0931 1  |
105     0932 1  | EXTERNAL REFERENCES:
106     0933 1  |
107     0934 1  |
108     0935 1  | EXTERNAL LITERAL
109     0936 1  |         BASS$IO_CHANOT : UNSIGNED (8),       ! I/O channel not open
110     0937 1  |         BASS$ILCILLACC : UNSIGNED (8);       ! illegal or illogical access
111     0938 1  |
112     0939 1  | EXTERNAL ROUTINE
113     0940 1  |         BASS$$STOP_IO : NOVALUE,           ! Signal I/O errors
114     0941 1  |         BASS$REC_OPD:JSB_DO_WRITE NOVALUE,  ! REC level processing - RMS interface
115     0942 1  |         ! UPDATE sequential

```



BAS\$UPDATE  
1-007

C 6  
16-Sep-1984 01:27:24  
14-Sep-1984 11:56:45

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[BASRTL.SRC]BASUPDATE.B32;1

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: 116 0943 1  
: 117 0944 1  
: 118 0945 1  
: 119 0946 1

BAS\$\$CB\_PUSH:JSB\_CB\_PUSH NOVALUE,  
! Create LUB/ISB/RAB and push down I/O system  
BAS\$\$CB\_POP:JSB\_CB\_POP NOVALUE; ! Pop I/O system back one CB

```
121 0947 1 GLOBAL ROUTINE BASSUPDATE (      ! UPDATE sequential
122 0948 1      UNIT                        ! logical unit number
123 0949 1      ) :NOVALUE =
124 0950 1
125 0951 1  !++
126 0952 1  FUNCTIONAL DESCRIPTION:
127 0953 1
128 0954 1      This routine will set up the I/O data base for this LUN if necessary
129 0955 1      and then go directly to the REC level.  When control is returned to
130 0956 1      this routine, it pops the CCB off of the I/O system.  The actual inter-
131 0957 1      face to RMS is done at the REC level.  The current record is updated.
132 0958 1
133 0959 1  FORMAL PARAMETERS:
134 0960 1
135 0961 1      UNIT.rlu.v      logical unit number
136 0962 1
137 0963 1  IMPLICIT INPUTS:
138 0964 1
139 0965 1      LUB$V_VA_USE      indicates virtual array use of the file
140 0966 1      LUB$V_READ_ONLY  file is read only
141 0967 1      RAB$W_RSZ       the current buffer size
142 0968 1
143 0969 1  IMPLICIT OUTPUTS:
144 0970 1
145 0971 1      ISB$B_STTM_TYPE  the statement type
146 0972 1      LUB$V_BLK_USE   indicates non-virtual array use of file
147 0973 1
148 0974 1  COMPLETION CODES:
149 0975 1
150 0976 1      NONE
151 0977 1
152 0978 1  SIDE EFFECTS:
153 0979 1
154 0980 1      Signals:
155 0981 1      BASS$K_ILILLACC  illegal of illogical access
156 0982 1
157 0983 1  --
158 0984 1
159 0985 2  BEGIN
160 0986 2  GLOBAL REGISTER
161 0987 2      CCB = K_CCB_REG: REF BLOCK[, BYTE];
162 0988 2
163 0989 2  BUILTIN
164 0990 2      FP;
165 0991 2
166 0992 2  LOCAL
167 0993 2      FMP : REF BLOCK [, BYTE];
168 0994 2
169 0995 2      FMP = .FP;
170 0996 2
171 0997 2  !+
172 0998 2  ! Allocate the LUB/ISB/RAB for this unit if necessary.  Store new CB (con-
173 0999 2  ! trol block) in OTS$$A_CUR_LUB.  Store signed unit number in LUB$W_LUN.
174 1000 2  !-
175 1001 2
176 1002 2  BASS$CB_PUSH (.UNIT, LUB$K_ILUN_MIN);
177 1003 2
```



```
178      CCB [ISB$A_USER_FP] = .FMP [SF$SL_SAVE_FP];
179
180      !+
181      ! Now that the data base is in place, store the statement type and go
182      ! directly to the REC level.
183      !-
184
185      CCB[ISB$B_STTM_TYPE] = ISB$K_ST_TY_UPD;
186
187      !+
188      ! Check for virtual array usage and set block usage
189      ! If channel not already open, signal.
190      !-
191      IF .CCB [LUB$V_VA_USE] OR .CCB [LUB$V_READ_ONLY] THEN BASS$STOP_IO(BASS$K_ILLILLACC);
192      IF ( NOT .CCB [LUB$V_OPENED]) THEN BASS$STOP_IO (BASS$K_IO_CHANOT);
193
194      CCB [LUB$V_BLK_USE] = 1;
195      BASS$REC_UPD(.CCB[RAB$W_RSZ]);
196
197      !+
198      ! Now that the UPDATE has been done, pop the CCB off the I/O system.
199      !-
200
201      BASS$CB_POP ();
202
203
204
205      END;                                !End of BASS$UPDATE
```

|    |      |           |                 |        |                                  |        |
|----|------|-----------|-----------------|--------|----------------------------------|--------|
|    |      |           |                 | .TITLE | BASSUPDATE                       |        |
|    |      |           |                 | .IDENT | \1-007\                          |        |
|    |      |           |                 | .EXTRN | BASS\$K_IO_CHANOT                |        |
|    |      |           |                 | .EXTRN | BASS\$K_ILLILLACC                |        |
|    |      |           |                 | .EXTRN | BASS\$STOP_IO, BASS\$REC_UPD     |        |
|    |      |           |                 | .EXTRN | BASS\$CB_PUSH, BASS\$CB_POP      |        |
|    |      |           |                 | .PSECT | _BASS\$CODE,NOWRT, SHR, PIC,2    |        |
|    |      |           |                 | .ENTRY | BASSUPDATE, Save R2,R3,R4,R5,R11 | : 0947 |
|    | 54   | 00000000G | 00 9E 00002     | MOVAB  | BASS\$STOP_IO, R4                | : 0995 |
|    | 53   |           | 5D D0 00009     | MOVL   | FP, FMP                          | : 1002 |
|    | 50   |           | 08 CE 0000C     | MNEGL  | #8, R0                           |        |
|    | 52   | 04        | AC D0 0000F     | MOVL   | UNIT, R2                         |        |
|    |      | 00000000G | 00 16 00013     | JSB    | BASS\$CB_PUSH                    |        |
|    | FF4C | CB        | 0C A3 D0 00019  | MOVL   | 12(FMP), -180(CCB)               | : 1004 |
|    | FF71 | CB        | 23 90 0001F     | MOVB   | #35, -143(CCB)                   | : 1011 |
|    |      | FF        | AB E8 00024     | BLBS   | -1(CCB), 1\$                     | : 1016 |
| 07 | FC   | AB        | 02 E1 00028     | BBC    | #2, -4(CCB), 2\$                 |        |
|    |      | 00G       | 8F 9A 0002D     | MOVZBL | #BASS\$K_ILLILLACC, -(SP)        |        |
|    |      | 64        | 01 FB 00031     | CALLS  | #1, BASS\$STOP_IO                |        |
|    |      | 07        | FC AB E8 00034  | BLBS   | -4(CCB), 3\$                     | : 1017 |
|    |      | 7E        | 00G 8F 9A 00038 | MOVZBL | #BASS\$K_IO_CHANOT, -(SP)        |        |
|    |      | 64        | 01 FB 0003C     | CALLS  | #1, BASS\$STOP_IO                |        |
|    | FF   | AB        | 02 88 0003F     | BISB2  | #2, -1(CCB)                      | : 1020 |
|    |      | 50        | 22 AB 3C 00043  | MOVZWL | 34(CCB), R0                      | : 1021 |

BAS\$UPDATE  
1-007

F 6  
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14-Sep-1984 11:56:45

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00000000G 00 16 00047  
00000000G 00 16 0004D  
04 00053

JSB BAS\$\$REC\_UPD  
JSB BAS\$\$CB\_POP  
RET

:  
: 1027  
: 1031

; Routine Size: 84 bytes, Routine Base: \_BAS\$CODE + 0000



```
207 1032 1 GLOBAL ROUTINE BASSUPDATE_COUN (      ! UPDATE with count
208 1033 1      UNIT,                          ! logical unit number
209 1034 1      COUNT,                        ! No. of bytes in record
210 1035 1      ) :NOVALUE =
211 1036 1
212 1037 1 ++
213 1038 1 FUNCTIONAL DESCRIPTION:
214 1039 1
215 1040 1      This routine will set up the I/O data base for this LUN if necessary
216 1041 1      and then go directly to the REC level. When control is returned to
217 1042 1      this routine, it pops the CCB off of the I/O system. The actual inter-
218 1043 1      face to RMS is done at the REC level. The current record is updated.
219 1044 1
220 1045 1 FORMAL PARAMETERS:
221 1046 1
222 1047 1      UNIT.rlu.v      logical unit number
223 1048 1      COUNT.rl.v    No. of bytes in the record
224 1049 1
225 1050 1 IMPLICIT INPUTS:
226 1051 1
227 1052 1      LUB$V_VA_USE      virtual array use of file
228 1053 1      LUB$V_READ_ONLY  file is read only
229 1054 1
230 1055 1 IMPLICIT OUTPUTS:
231 1056 1
232 1057 1      ISB$B_STTM_TYPE    the statement type
233 1058 1      LUB$V_BLK_USE     non-virtual array use of file
234 1059 1
235 1060 1 COMPLETION CODES:
236 1061 1
237 1062 1      NONE
238 1063 1
239 1064 1 SIDE EFFECTS:
240 1065 1
241 1066 1      Signals:
242 1067 1      BASSK_ILILLACC      illegal or illogical access
243 1068 1
244 1069 1 --
245 1070 1
246 1071 2 BEGIN
247 1072 2 GLOBAL REGISTER
248 1073 2      CCB = K_CCB_REG: REF BLOCK[, BYTE];
249 1074 2
250 1075 2 BUILTIN
251 1076 2      FP;
252 1077 2
253 1078 2 LOCAL
254 1079 2      FMP : REF BLOCK [, BYTE];
255 1080 2
256 1081 2      FMP = .FP;
257 1082 2
258 1083 2 ++
259 1084 2      Allocate the LUB/ISB/RAB for this unit if necessary. Store new CB (con-
260 1085 2      trol block) in OTSS$A_CUR_LUB. Store signed unit number in LUB$W_LUN.
261 1086 2      --
262 1087 2
263 1088 2      BASS$CB_PUSH (.UNIT, LUB$K_ILUN_MIN);
```



```

: 264      1089 2
: 265      1090
: 266      1091
: 267      1092
: 268      1093
: 269      1094
: 270      1095
: 271      1096
: 272      1097
: 273      1098
: 274      1099
: 275      1100
: 276      1101
: 277      1102
: 278      1103
: 279      1104
: 280      1105
: 281      1106
: 282      1107
: 283      1108
: 284      1109
: 285      1110
: 286      1111
: 287      1112
: 288      1113 1

CCB [ISB$A_USER_FP] = .FMP [SF$L_SAVE_FP];

!+
! Now that the data base is in place, store the statement type and go
! directly to the REC level.
!-

CCB[ISB$B_STTM_TYPE] = ISB$K_ST_TY_UPD;

!+
! Check for virtual array usage and set block usage
!-
IF .CCB [LUB$V_VA_USE] OR .CCB [LUB$V_READ_ONLY] THEN BASS$STOP_IO(BASS$K_ILLILLACC);
CCB [LUB$V_BLK_USE] = 1;
BASS$REC_UPD(.COUNT);

!+
! Now that the UPDATE has been done, pop the CCB off the I/O system.
!-

BASS$CB_POP ();

END;                                !End of BASSUPDATE
```

|    |           |           |     |             |        |                                       |        |
|----|-----------|-----------|-----|-------------|--------|---------------------------------------|--------|
|    |           |           |     | 083C 00000  | .ENTRY | BASSUPDATE_COUN, Save R2,R3,R4,R5,R11 | : 1032 |
|    | 53        |           |     | 5D D0 00002 | MOVL   | FP, FMP                               | : 1081 |
|    | 50        |           |     | 08 CE 00005 | MNEGL  | #8, R0                                | : 1088 |
|    | 52        | 04        |     | AC D0 00008 | MOVL   | UNIT, R2                              |        |
|    |           | 00000000G |     | 00 16 0000C | JSB    | BASS\$CB_PUSH                         |        |
|    | FF4C      | CB        | 0C  | A3 D0 00012 | MOVL   | 12(FMP), -180(CCB)                    | : 1090 |
|    | FF71      | CB        |     | 23 90 00018 | MOVB   | #35, -143(CCB)                        | : 1097 |
|    |           | 05        | FF  | AB E8 0001D | BLBS   | -1(CCB), 1\$                          | : 1101 |
| 0B | FC        | AB        |     | 02 E1 00021 | BBC    | #2, -4(CCB), 2\$                      |        |
|    |           | 7E        | 00G | 8F 9A 00026 | MOVZBL | #BASS\$K_ILLILLACC, -(SP)             |        |
|    | 00000000G | 00        |     | 01 FB 0002A | CALLS  | #1, BASS\$STOP_IO                     | : 1102 |
|    | FF        | AB        |     | 02 88 00031 | BISB2  | #2, -1(CCB)                           | : 1103 |
|    |           | 50        | 08  | AC D0 00035 | MOVL   | COUNT, R0                             |        |
|    |           | 00000000G |     | 00 16 00039 | JSB    | BASS\$REC_UPD                         | : 1109 |
|    |           | 00000000G |     | 00 16 0003F | JSB    | BASS\$CB_POP                          | : 1113 |
|    |           |           |     | 04 00045    | RET    |                                       |        |

; Routine Size: 70 bytes, Routine Base: \_BASS\$CODE + 0054



BASSUPDATE  
1-007

I 6  
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!End of module - BASSUPDATE

: 290 1114 1 END  
: 291 1115 0 ELUDOM

PSECT SUMMARY

: Name Bytes Attributes  
: \_BASSCODE 154 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

: File Total Symbols Loaded Percent Pages Mapped Processing Time  
: \_\$255\$DUA28:[SYSLIB]STARLET.L32;1 9776 2 0 581 00:01.2

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:BASUPDATE/OBJ=OBJ\$:BASUPDATE MSRC\$:BASUPDATE/UPDATE=(ENH\$:BASUPDATE  
: )

: Size: 154 code + 0 data bytes  
: Run Time: 00:09.7  
: Elapsed Time: 00:19.4  
: Lines/CPU Min: 6896  
: Lexemes/CPU-Min: 40843  
: Memory Used: 115 pages  
: Compilation Complete



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